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| FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | Attorney Docket Number | 53860/RAG/C766 |
| | Application Number | 10/811,075 |
| | Filing Date | March 24, 2004 |
| | Applicant(s) | Aaron D. Bachelder, et al. |
| | Group Art Unit | 2632 |
| | Examiner Name | N/A |

| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|-----------------------|---|--------------------------------|-----------------------------|
| EXAMINER INITIALS | Cite No. ¹ | DOCUMENT NUMBER Number - Kind Code ² (If Known) | PUBLICATION DATE MM-DD-YYYY | NAME OF PATENTEE |
| P7W | | 4,775,865 | 10-1988 | Smith et al. 340/906 |
| | | 5,014,052 | 05-1991 | Obeck, Carl J. 340/906 |
| | | 5,710,555 | 01-1998 | McConnell et al. 340/916 |
| | | 5,889,475 | 03-1999 | Klosinski et al. 340/902 |
| | | 6,232,889 | 05-2001 | Apitz et al. 340/906 |
| | | 6,326,903 B1 | 12-2001 | Gross et al. 340/988 |
| P7W | | 6,621,420 | 09-2003 | Poursartip, Slavash 340/907 |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|-----------------------|
| EXAMINER INITIALS | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ () |
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| OTHER DOCUMENTS | | |
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| EXAMINER INITIALS | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| | | Co-pending U.S. Patent Application No. 10/811,075; filed March 24, 2004, entitled EMERGENCY VEHICLE TRAFFIC SIGNAL PREEMPTION SYSTEM |
| | | Co-pending U.S. Patent Application No. 10/704,530; filed November 7, 2003, entitled METHOD AND SYSTEM FOR BEACON/HEADING EMERGENCY VEHICLE INTERSECTION PREEMPTION |

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| EXAMINER SIGNATURE | <i>Phy W Zou</i> | DATE CONSIDERED | 02/14/06 |
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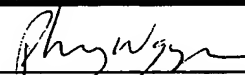
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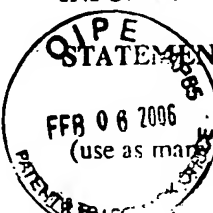
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| P7N | | Co-pending U.S. Patent Application No. 10/696,490; filed October 28, 2003, entitled METHOD AND APPARATUS FOR ALERTING CIVILIAN MOTORISTS TO THE APPROACH OF EMERGENCY VEHICLES |
| P7N | | Co-pending U.S. Patent Application No. 10/965,408; filed October 12, 2004, entitled TRAFFIC PREEMPTION SYSTEM |
| P7N | | Co-pending U.S. Patent Application No. 10/960,129; filed October 6, 2004, entitled DETECTION AND ENFORCEMENT OF FAILURE-TO-YIELD IN AN EMERGENCY VEHICLE PREEMPTION SYSTEM |
| P7N | | Co-pending U.S. Patent Application No. 10/410,582, filed April 8, 2003, entitled EMERGENCY VEHICLE CONTROL SYSTEM TRAFFIC LOOP PREEMPTION |

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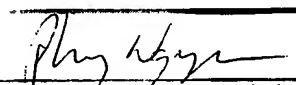
| | | |
|--|-------------------------------|----------------------------|
| FORM PTO/SB/08A/B (10-01) Substitute for PTO-149A/B INFORMATION DISCLOSURE  (use as many sheets as necessary) | Attorney Docket Number | 53860/C766 |
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| | Filing Date | March 24, 2004 |
| | Applicant(s) | Aaron D. Bachelder, et al. |
| | Group Art Unit | 2632 |
| | Examiner Name | Phung Nguyen |

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| FOREIGN PATENT DOCUMENTS | | | | |
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| OTHER DOCUMENTS | |
|-------------------|---|
| EXAMINER INITIALS | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. BERNARD HELD, <i>Bus Priority: A Focus on the City of Melbourne</i> , August 1990, Monash University, pgs. 157-160, and 180-189 |
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|--------------------|---|-----------------|----------|
| EXAMINER SIGNATURE |  | DATE CONSIDERED | 02/14/06 |
| | If considered for or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not to be forwarded to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO. ³ For Japanese patent documents, the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ For Japanese patent documents, the WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English Language Translation is attached. | | |

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Sheet 1 of 1



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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number

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Filing Date

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Applicant(s)

Aaron D. Bachelder, et al.

Group Art Unit

2632

Examiner Name

Phung Nguyen

U.S. PATENT DOCUMENTS

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|----------------------|--|------------------|-------------------------------|
| | Number - Kind Code ² (If Known) | MM-DD-YYYY | |
| PTN | 3,881,169 | 04-29-1975 | Malach <i>340/32</i> |
| PTN | 6,603,975 B1 | 08-05-2003 | Inouchi et al. <i>455/450</i> |
| PTN | 6,909,380 B2 | 06-21-2005 | Brooke <i>340/906</i> |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | Foreign Patent Document | PUBLICATION DATE | Name of Patentee or | T ^c (✓) |
|----------------------|--|------------------|-----------------------------|-----------------------|
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OTHER DOCUMENTS

| EXAMINER INITIALS | Other Document |
|----------------------|---|
| | Indicate name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
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FORM PTO/SB/08A/B (10-01)
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U.S. PATENT DOCUMENTS

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|-------------------|-----------------------|---|--------------------------------|-------------------------|----------|
| PTN | | 3,550,078 | 12-22-1970 | Long | 340/32 |
| | | 3,831,039 | 08-20-1974 | Henschel | 307/324 |
| | | 3,886,515 | 05-27-1975 | Cottin et al. | 340/23 |
| | | 4,162,477 | 07-24-1979 | Munkberg | 340/32 |
| | | 4,230,992 | 10-28-1980 | Munkberg | 340/32 |
| | | 4,296,400 | 10-20-1981 | Becker Friedbert et al. | 323/140 |
| | | 4,443,783 | 04-17-1984 | Mitchell | 340/32 |
| | | 4,573,049 | 02-25-1986 | Obeck | 340/924 |
| | | 4,701,760 | 10-20-1987 | Raoux | 340/993 |
| | | 4,713,661 | 12-15-1987 | Boone et al. | 340/994 |
| | | 4,734,863 | 03-29-1988 | Honey et al. | 364/449 |
| | | 4,734,881 | 03-29-1988 | Klein et al. | 764/900 |
| | | 4,775,865 | 10-04-1988 | Smith et al. | 340/906 |
| | | 4,791,571 | 12-13-1988 | Takahashi et al. | 364/521 |
| | | 4,799,162 | 01-17-1989 | Shinkawa et al. | 364/436 |
| | | 4,914,434 | 04-03-1990 | Morgan et al. | 340/906 |
| | | 4,963,889 | 10-16-1990 | Hatch | 342/357 |
| | | 5,043,736 | 08-27-1991 | Darnell et al. | 342/357 |
| | | 5,068,656 | 11-26-1991 | Sutherland | 340/989 |
| | | 5,072,227 | 12-10-1991 | Hatch | 342/357 |
| | | 5,119,102 | 06-02-1992 | Barnard | 342/357 |
| | | 5,172,113 | 12-15-1992 | Hamer | 340/907 |
| | | 5,177,489 | 01-05-1993 | Hatch | 342/357 |
| PTN | | 5,214,757 | 05-25-1993 | Mauney et al. | 395/161 |

EXAMINER
SIGNATURE

DATE
CONSIDERED

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EXAMINER:
considered. In
Patent Docum
documents, the
as indicated or

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|---|-------------------------------|-----------------------------------|
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| EXAMINER INITIALS | U.S. PATENT DOCUMENTS | | |
|-------------------|---|--------------------------------|--------------------------------------|
| | DOCUMENT NUMBER Number - Kind Code ² (If Known) | PUBLICATION DATE MM-DD-YYYY | NAME OF PATENTEE <i>cl/s sub.</i> |
| <i>PTW</i> | 5,334,974 | 08-02-1994 | Simms et al. <i>340/990</i> |
| | 5,345,232 | 09-06-1994 | Robertson <i>340/906</i> |
| | 5,539,398 | 07-23-1996 | Hall et al. <i>340/907</i> |
| | 5,602,739 | 02-11-1997 | Haagenstad et al. <i>364/436</i> |
| | 5,926,113 | 07-20-1999 | Jones et al. <i>340/906</i> |
| | 5,986,575 | 11-16-1999 | Jones et al. <i>340/906</i> |
| <i>PTW</i> | 5,243,026 B1 | 06-05-2001 | Jones et al. |

| EXAMINER INITIALS | FOREIGN PATENT DOCUMENTS | | | |
|-------------------|---|--------------------------------|--|-----------------------|
| | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ (✓) |
| <i>PTW</i> | FR 2 670 002 - A1 | 06-05-1992 | Leroy, Philippe | |
| <i>PTW</i> | EP 0 574 009 A2 | 12-15-1993 | Hirohide, Miwa | |
| <i>PTW</i> | FR 2 693 820 - A1 | 01-21-1994 | Babsky, Jean | |

| EXAMINER INITIALS | OTHER DOCUMENTS |
|-------------------|--|
| | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| <i>PTW</i> | GUNNAR ANDERSSON, article entitled <i>Fleet Management in Public Transport</i> , The 3rd International Conference on Vehicle Navigation & Information Systems, Oslo, 2-4 Sept. 1992, pgs. 312-317. |
| <i>PTW</i> | JAMES R. HELMER, <i>Intelligent Vehicle Highway Systems at Work in San Jose, California</i> , pgs. 345-347.. |
| <i>PTW</i> | HORST E. GERLAND, <i>ITS Intelligent Transportation System: Fleet Management with GPS Dead Reckoning, Advanced Displays, Smartcards, etc.</i> , IEEE-IEE Vehicle Navigation & Information Systems Conference, Ottawa - VNIS '93, pgs. 606-611. |

| | |
|---|------------------------------------|
| EXAMINER SIGNATURE <i>Phy Ng</i> | DATE CONSIDERED <i>02/14/06</i> |
| If not considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not in form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO.gov or MPEP 901.4. ³ Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴ For Japanese patent year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached. | |

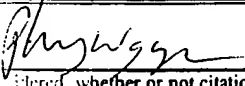
| | | |
|---|-------------------------------|----------------------------|
| FORM PTO/SB 085A (10-01) Substitute for PTO/SB 02A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | Attorney Docket Number | 53860/C766 |
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|-------------------|---|
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| PTN | ROBERT F. CASEY, M.S., LAWRENCE N. LABELL, M.S., <i>Evaluation Plan for AVL Implementation in Four U.S. Cities</i> , May 17-20, 1992 IVHS America Proceedings, 11 pgs. |
| PTN | N.B. HOUNSELL and M. MCDONALD, Contractor Report 88, Transport and Road Research Laboratory, Department of Transport, <i>Bus priority by selective detection cover</i> , pg. 8, pg. 22. |
| PTN | DAVID A. BLACKLEDGE et al., <i>Electronic Passenger Information Systems - Do They Give the Public What They Want?</i> , PTRC 19th Summer, 9-13 September 1991 Annual Meeting, pgs. 163-176. |
| PTN | American City & County Website, http://www.americancityandcounty.com , <i>City uses technology to track buses, emergency vehicles</i> , June 1, 2001, 1 pg. |
| PTN | A. KIRSON et al., <i>The Evolution of ADVANCE</i> , Development and Operational Test of a Probe-Based Driver Information System in an Arterial Street Network: a Progress Report, The 3rd International Conference on Vehicle Navigation & Information Systems, pgs. 516-517. |
| PTN | Volume Two, The Proceedings of the 1992 Annual Meeting of IVHS America, Surface Transportation and the Information Age, May 17-20, 1992, Newport Beach, CA, 13 pgs. |
| PTN | LABELL ET AL., <i>Advanced Public Transportation Systems: The State of the Art, Update '92</i> , U.S. Department of Transportation Federal Transit Administration, 97 pgs. |
| PTN | STEARNS ET AL., <i>Denver RTD's Computer Aided Dispatch/Automatic Vehicle Location System: the Human Factors Consequences</i> , U.S. Department of Transportation, Federal Transit Administration, September 1999, 82 pgs. |
| PTN | APTS Project Summaries, http://www.itsdocs.fhwa.dot.gov , <i>Advanced Public Transportation Systems (APTS) Project Summaries</i> , June 1996, Office of Mobility Innovation, 33 pgs. |
| PTN | BRENDON HEMILY, PhD., <i>Automatic Vehicle Location in Canadian Urban Transit; a Review of Practice and Key Issues</i> , December 1988, AATT Conference February 1989, pgs. 229-233. |
| PTN | Canadian Urban Transit Association, <i>Proceedings, The International Conference on Automatic Vehicle Location in Urban Transit Systems</i> , September 19-21, 1988, Ottawa, Canada, 17 pgs. |
| PTN | 1991 TAC Annual Conference, <i>Proceedings, Volume 4, Transportation: Toward a Better Environment</i> , 21 pgs. |

| | | |
|---|-----------------|----------|
| EXAMINER SIGNATURE | DATE CONSIDERED | 02/14/06 |
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| P7N | CASEY ET AL., <i>Advanced Public Transportation Systems: The State of the Art</i> , U.S. Department of Transportation Urban Mass Transportation Administration, Component of Departmental IVHS Initiative, April 1991, 91 pgs. |
| P7N | U.S. Department of Transportation, <i>German "Smart-Bus" Systems, Potential for Application in Portland, Oregon, Volume 1, Technical Report</i> , January 1993, Office of Technical Assistance and Safety, Advanced Public Transportation Systems Program, A Component of the Departmental IVHS Initiative, 107 pgs. |
| P7N | ARUP, <i>Traffic Management for Bus Operations Main Report</i> , Prepared by Ove Arup Transportation Planning for the Public Transport Corporation, December 1989, 123 pgs (front and back). |
| P7N | RANDY D. HOFFMAN, et al. <i>DGPS, IVHS Drive GPS Toward Its Future</i> , GPS World Showcase, December 1992, 1 pg. |
| P7N | MAN A. GETTING, <i>Getting-The Global Positioning System</i> , IEEE Spectrum, December 1993, pgs. 37-38, 43-47. |
| P7N | IVHS Study - Strategic Plan, Centennial Engineering, Inc., p.31 |
| P7N | FORST E. GERLAND, <i>FOCCS - Flexible Operation Command and Control System for Public Transport</i> , PTRC 19th Summer 9-13 September 1991 Annual Meeting, pgs.139-150 |
| P7N | SABOUNGHI et al., <i>The Universal Close-Range Road/Vehicle Communication System Concept - Numerous Applications of the Enhanced AVI</i> , 1991 TAC Annual Conference, pgs. A41, A43-42. |
| P7N | SABOUNGHI, <i>Intelligent Vehicle Highway System - The Universal Close-Range Road/Vehicle Communication System Concept - The Enhanced AVI and Its CVO Applications</i> , 1991, ITS '91, Vehicle Indication and Information Systems Conference Proceedings, pgs. 957-967. |
| P7N | FRIONI, et al., <i>Public Transport Fleet Location System Based on DGPS Integrated with Dead Endoning</i> , Road Vehicle Automation, July 12, 1993, pgs. 259-268. |

| | | | |
|---|---|-----------------|----------|
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U.S. PATENT DOCUMENTS

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|-------------------|-----------------------|---|--------------------------------|--------------------------|
| P7N | | 4,017,825 | 04-12-1977 | Pichey 340/32 |
| | | 4,223,295 | 09-16-1980 | Bonner et al. 340/22 |
| | | 4,234,967 | 11-18-1980 | Henschel 455/603 |
| | | 4,433,324 | 02-21-1984 | Guillot 340/923 |
| | | 4,704,610 | 11-03-1987 | Smith et al. 340/906 |
| | | 5,014,052 | 05-07-1991 | Obeck 340/906 |
| | | 5,083,125 | 01-21-1992 | Brown et al. 340/906 |
| | | 5,187,373 | 02-16-1993 | Gregori 250/557 |
| | | 5,187,476 | 02-16-1993 | Hamer 340/906 |
| | | 5,745,865 | 04-28-1998 | Rostoker et al. 701/117 |
| | | 5,889,475 | 03-30-1999 | Klosinski et al. 340/902 |
| | | 6,064,319 | 05-16-2000 | Matta 340/917 |
| P7N | | 6,326,903 B1 | 12-04-2001 | Gross et al. 340/988 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ (v) |
|-------------------|-----------------------|---|--------------------------------|--|-----------------------|
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OTHER DOCUMENTS

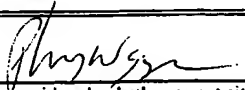
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| EXAMINER SIGNATURE | <i>Phy Ngan</i> | DATE CONSIDERED | 02/14/06 |
|--------------------|-----------------|-----------------|----------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| | | |
|---|-------------------------------|-----------------------------------|
| FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | Attorney Docket Number | 53860/C766 |
| | Application Number | 10/811,075 |
| | Filing Date | March 24, 2004 |
| | Applicant(s) | Aaron D. Bachelder, et al. |
| | Group Art Unit | 2632 |
| | Examiner Name | N/A |

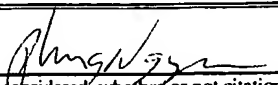
| EXAMINER INITIALS | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|-----------------------|--|
| | | <i>Intelligent Investment, World Highways/Routes Du Monde, January/February 1997, pg. 52.</i> |
| P7N | | <i>Traffic Preemption System for Emergency Vehicles Based on Differential GPS and Two-Way Radio. Priority One GPS, Midwest Traffic Products, Inc., 4 pages.</i> |
| P7N | | <i>Traffic Signal Preemption for Emergency and Transit Vehicles Based on Differential GPS & Two-Way Radio, Priority One GPS, Traffic Preemption System, 3 pgs.</i> |
| P7N | | <i>GPS and Radio Based Traffic Signal Preemption System for Emergency Vehicles, Priority One GPS Specification for Emergency Vehicles, 7 pgs.</i> |
| P7N | | <i>Emergency Preemption Systems, Inc. website, 2 pgs.</i> |
| P7N | | <i>Sonic Systems website, Traffic Preemption and Priority Systems, 2 pgs.</i> |
| P7N | | <i>Strobecom I Optical Preemption Detector, 1 pg.</i> |
| P7N | | <i>Strobecom I Preemption Detector Assemblies, 2 pgs.</i> |
| P7N | | <i>Strobecom I Interface Card and Card Cage, 2 pgs.</i> |
| P7N | | <i>The Priority One GPS Concept for Emergency Vehicles, http://www.mtp-gps.com/concept.html, Priority One GPS, 1 pg.</i> |
| P7N | | <i>Priority One GPS Traffic Preemption Hardware, http://www.mtp-gps.com/hardware.html, Priority One GPS, 2 pgs.</i> |
| P7N | | <i>The Traffic Preemption System for Emergency Vehicles Based on Differential GPS and Two-Way Radio, http://www.greenf.com/traffic.htm, Greenfield Associates website, 1999, 6 pgs.</i> |
| P7N | | <i>ZHAOSHENG YANG and DEYONG GUAN, Study on the Scheme of Traffic Signal Timing for Priority Vehicles Based on Navigation System, 2001 IEEE, pgs. 249-254.</i> |
| P7N | | <i>VEERENDER KAUL, Microwave Technology: Will it Threaten the Dominance of Optical Signal Preemption Systems?, May 8, 2002, 5 pgs.</i> |
| P7N | | <i>HORST E. GERLAND, Traffic Signal Priority Tool to Increase Service Quality and Efficiency, Prepared for: APTA Bus Operations Conference 2000, Salem April 2000, 9 pgs.</i> |
| P7N | | <i>M. MIYAWAKI, et al., Fast Emergency Preemption Systems (FAST), 1999 IEEE, pgs. 993-997.</i> |
| P7N | | <i>K. FOX et al., UTMCOI Selected Vehicle Priority in the UTM Environment (UTMC01), UTMCO1 Project Report 1- Part A, October 19, 1998, 45 pgs.</i> |

| | | | |
|---|---|-----------------|----------|
| EXAMINER SIGNATURE |  | DATE CONSIDERED | 02/14/06 |
| <small>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.</small> | | | |

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| | | |
|---|-------------------------------|----------------------------|
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| | Group Art Unit | 2632 |
| | Examiner Name | N/A |

| OTHER DOCUMENTS | | |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| P7N | | U.S. Department of Transportation, <i>Advanced Transportation Management Technologies</i> , Chapter 6, Transit-Management Systems, Publication No. FHWA-SA-97-058, April 1997, pgs. 6-1 through 6-23. |
| P7N | | J.D. NELSON, et al., <i>The Modelling of Realistic Automatic Vehicle Locationing Systems for Service and Traffic Control</i> , November 9, 1995-November 11, 1995, pgs. 1582-1587. |
| P7N | | <i>Assessment of the Application of Automatic Vehicle Identification Technology to Traffic Management</i> , Appendix C: Evaluation of Potential Applications of Automatic Vehicle Monitoring to Traffic Management, Federal Highway Administration, July 1977, 28 pgs. |
| P7N | | ROBERT N. TAUBE, <i>Bus Actuated Signal Preemption Systems: A Planning Methodology</i> , Department of Systems-Design, University of Wisconsin-Milwaukee, May 1976, 120 pgs. |
| P7N | | <i>Assessment of the Application of Automatic Vehicle Identification Technology to Traffic Management</i> , Federal Highway Administration, July 1977, 44 pgs. |
| P7N | | R. M. GRIFFIN and D. JOHNSON, <i>A report on the first part of the Northampton Fire Priority Demonstration Scheme-the 'before' study and EVADE</i> , Crown Copyright 1980, 4 pgs. |
| P7N | | P. M. CLEAL, <i>Priority for Emergency Vehicles at Traffic Signals</i> , Civil Engineering Working Paper, Monash University, December 1982, 38 pgs. |
| P7N | | P. DAVIES, et al., <i>Automatic Vehicle Identification for Transportation Monitoring and Control</i> , 1986, pgs. 207-224. |
| P7N | | N. B. HOUNSELL, <i>Active Bus Priority at Traffic Signals</i> , UK Developments in Road Traffic Signaling, IEEE Colloquium, May 5, 1988, 5 pgs. |
| P7N | | C. B. HARRIS, et al., <i>Digital Map Dependent Functions of Automatic Vehicle Location Systems</i> , 1988 IEEE, pgs. 79-87. |
| P7N | | P. L. BELCHER AND I. CATLING, <i>Autoguide-Electronic Route Guidance for London and the U.K.</i> , 1989 IEEE Road Traffic Monitoring, pgs. 182-190. |
| P7N | | N. AYLAND and P. DAVIES, <i>Automatic Vehicle Identification for Heavy Vehicle Monitoring</i> , 1989 IEEE Road Traffic Monitoring, pgs. 152-155. |
| P7N | | K. KEEN, <i>Traffic Control at a Strategic Level</i> , 1989 IEEE Road Traffic Monitoring, pgs. 156-160. |
| | | K. W. HUDDART, <i>Chapter 7: Urban Traffic Control</i> , Mobile Information Systems, 1990 Artech House, Inc., 23 pgs. |

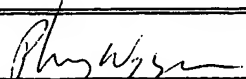
| | | | |
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| EXAMINER SIGNATURE |  | DATE CONSIDERED | 02/14/06 |
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|---|-------------------------------|-----------------------------------|
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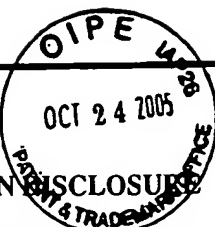
| OTHER DOCUMENTS | | |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| P7N | | S. YAGAR and E. R. CASE, <i>A Role for VNIS in Real-Time Control of Signalized Networks?</i> , 1991, pgs. 1105-1109. |
| P7N | | R. F. CASEY, et al., <i>Advanced Public Transportation Systems: The State of the Art</i> , U.S. Department of Transportation, April 1991, 91 pgs. |
| P7N | | M. F. MCGURRIN, et al., <i>Alternative Architectures for ATIS and ATMS</i> , IVHS Proceedings, May 1992, pgs. 456-467. |
| P7N | | A. CEDER and A. SHILOVITS, <i>A Traffic Signalization Control System with Enhancement Information and Control Capabilities</i> , 1992 Road Transport Informatics Intelligent Vehicle Highway Systems, pgs. 325-333. |
| P7N | | <i>Summary of Findings: Orange County IVHS Review</i> , Orange County Intelligent Vehicle/Highway Systems Study, JHK & Associates, August 11, 1992, 86 pgs. |
| P7N | | <i>Automatic Vehicle Location/Control and Traffic Signal Preemption Lessons from Europe</i> , Chicago Transit Authority, September 1992, 140 pgs. |
| P7N | | J.D. NELSON et al., <i>Approaches to the Provision of Priority for Public Transport at Traffic Signals: A European Perspective</i> , Traffic Engineering Control, September 1993, pgs. 426-428. |
| P7N | | M. D. CHESLOW and S. G. HATCHER, <i>Estimation of Communication Load Requirements for Five ATIS/ATMS Architectures</i> , 1993 Proceedings of the IVHS America, pgs. 473-479. |
| P7N | | M. KIHLE and D. SHINN, <i>Improving Interbus Transfer with Automatic Vehicle Location Year One Report</i> , August 1993, 35 pgs. |

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| | | | |
|--|---|------------------------|-----------------|
| EXAMINER SIGNATURE |  | DATE CONSIDERED | 02/14/06 |
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|-----------------------|---|--------------------------------|-----------------------------------|
| EXAMINER INITIALS | Cite No. ¹ | DOCUMENT NUMBER Number - Kind Code ² (If Known) | PUBLICATION DATE MM-DD-YYYY | NAME OF PATENTEE <i>cls./sub.</i> |
| P7N | | 3,859,624 | 01-7-1975 | Kriofsky et al. 340/35L |
| | | 4,230,992 | 10-28-1980 | Munkberg 328/140 |
| | | 4,661,799 | 04-28-1987 | Buttemer 340/941 |
| | | 5,083,125 | 01-21-1992 | Brown et al. 340/906 |
| | | 5,089,815 | 02-18-1992 | Potter et al. 340/901 |
| | | 5,172,113 | 12-15-1992 | Hamer 340/907 |
| | | 5,204,675 | 04-20-1993 | Sekine 340/933 |
| | | 5,955,968 | 09-21-1999 | Bentrott et al. 340/906 |
| | | 6,064,319 | 05-16-2000 | Matta 340/917 |
| | | 6,243,026 | 06-05-2001 | Jones et al. 340/906 |
| | | 6,617,981 | 09-09-2003 | Basinger 340/909 |
| | | 6,633,238 | 10-14-2003 | Lemelson et al. 340/909 |
| | | 6,690,293 | 02-10-2004 | Amita 340/923 |
| | | 6,724,320 | 04-20-2004 | Basson et al. 340/906 |
| P7N | | US2004/0196162 A1 | 10-07-2004 | Brooke 340/906 |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|-----------------------|
| EXAMINER INITIALS | Cite No. ¹ | Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (If Known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁵ (✓) |

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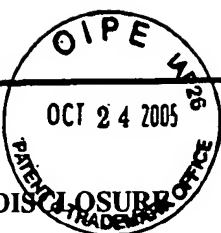
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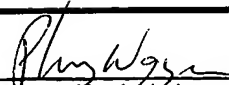
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| OTHER DOCUMENTS | | |
|--------------------------|-----------------------------|---|
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| PTN | | Co-pending U.S. Patent Application No. 10/942,498; filed September 15, 2004, entitled FORWARDING SYSTEM FOR LONG-RANGE PREEMPTION AND CORRIDOR CLEARANCE FOR EMERGENCY RESPONSE |

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